CONTENTS VOLUME 7, 1977

Research Papers

Regional prospecting for ores based on heavy minerals in glacial till
N.H. Brundin and J. Bergström (Stockholm, Sweden) 1

Placosols: another problem in exploration geochemistry
J.E. Tilsley (Toronto, Ont., Canada) 21

Seasonal, sampling and analytical variations in stream sediment surveys
C.Y. Chork (Fredericton, N.B., Canada) 31

Detection of nickeliferous rocks by analysis of herbarium specimens of indicator plants
R.R. Brooks, J. Lee, R.D. Reeves (Palmerston North, New Zealand) and T. Jaffré (Noumeá, New Caledonia) 49

Major element halos in granitic wall rocks of porphyry copper deposits, Guichon Creek batholith, British Columbia
M.A. Olade (Ibadan, Nigeria) 59

The determination of platinum by atomic absorption spectrophotometry
R.E. Stanton and S. Ramankutti (Borehamwood, Herts., Great Britain) 73

Book Review

Mining in the Outer Continental Shelf and in the Deep Ocean published by the National Academy of Sciences – E. Oele 77

Guide for Authors

Application of Geochemistry to the Search for Crude Oil and Natural Gas (B. Hitchon, Compiler and Editor)

Foreword III

Kerogen studies and geological interpretations
W.G. Dow (Houston, Texas, U.S.A.) 79

Petroleum transformations in reservoirs
C.W.D. Milner (Calgary, Alta., Canada), M.A. Rogers (Houston, Texas, U.S.A.) and C.R. Evans (Calgary, Alta., Canada) 101

The use of stable carbon isotopes in hydrocarbon exploration
A.N. Fuex (Houston, Texas, U.S.A.) 155

Sulfur isotope studies and their role in petroleum exploration
H.R. Krouse (Calgary, Alta., Canada) 189

Formation waters and hydrodynamics
H. Coustau (Pau, France) 213

Use of hydrocarbon sniffing in offshore exploration
W.M. Sackett (College Station, Texas, U.S.A.) 243

The chemistry of marine petroleum seeps
W.E. Reed and I.R. Kaplan (Los Angeles, Calif., U.S.A.) 255

Research Papers

Nickel accumulation by *Rinorea bengalensis* (Wall.) O.K.
R.R. Brooks and E.D. Wither (Palmerston North, New Zealand) 295

Geochemical dispersion in mineralized soils of a permafrost environment
E.M. Cameron (Ottawa, Ont., Canada) 301

Geochemical dispersion in lake waters and sediments from massive sulphide mineralization, Agricola Lake area, Northwest Territories
E.M. Cameron (Ottawa, Ont., Canada) 327

Talus fine sampling as a regional geochemical exploration technique in mountainous regions
S.J. Hoffman (Vancouver, B.C., Canada) 349
Two-sample technique for determining the influence of soil organic matter on copper concentration
D.E. Pride (Columbus, Ohio, U.S.A.) 361
Oil-generating potential of organic matter in sediments under natural conditions
J.D. Saxby (Sydney, N.S.W., Australia) 373

Discussion
A discussion of the relationship between zinc and organic content in centre-lake bottom sediments
G.R. Parslow (Regina, Sask., Canada) 383

Book Review
Porphyry Deposits of the Canadian Cordillera edited by A. Sutherland-Brown – C.J. Hodgson . 385

Announcements 387

Contents Volume 7, 1977 389